

DO NOT STAPLE

Last Name

First Name

UTAH SCIENCE STUDENT AWARDS

ENTRY FORM

MAIL EARLY – All entries for the Utah Science Student Awards (2007-08 school year) must be received by 5:00 p.m. on February 29, 2008. Mail to: USOE, Velma Itamura, 250 East 500 South, P.O. Box 144200, Salt Lake City, Utah 84114-4200. If the judging process has not been completed, late entries will be accepted **ONLY** if 1) postmarked by February 24, 2008; or 2) sent by a carrier that guaranteed delivery in writing by the 5:00 p.m. deadline.

PLEASE TYPE OR PRINT

Title of Research Report: _____

Field of Scientific Research

You may choose only one.

<input type="checkbox"/> Behavioral & Social Sciences (BE)	<input type="checkbox"/> Earth & Space Sciences (EA)	<input type="checkbox"/> Microbiology (MI)
<input type="checkbox"/> Biochemistry (BI)	<input type="checkbox"/> Engineering (EN)	<input type="checkbox"/> Physics (PH)
<input type="checkbox"/> Botany (BO)	<input type="checkbox"/> Environmental Science (EV)	<input type="checkbox"/> Zoology (ZO)
<input type="checkbox"/> Chemistry (CH)	<input type="checkbox"/> Mathematics (MA)	
<input type="checkbox"/> Computer Sciences (CS)	<input type="checkbox"/> Medicine & Health (ME)	

Student Information

LAST NAME	FIRST NAME	MIDDLE NAME
STREET ADDRESS		
CITY	STATE	ZIP
PHONE NUMBER	E-MAIL	
COUNTY OF RESIDENCE	COUNTRY OF BIRTH	

<input type="checkbox"/> MALE <input type="checkbox"/> FEMALE	UTAH SSID NUMBER
DATE OF BIRTH	U.S. CITIZEN? <input type="checkbox"/> YES <input type="checkbox"/> NO

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Family Information – for informational purposes only

List your father's name. _____

List your mother's name. _____

High School Information

The College Board assigns an identifying code number to each high school. Your guidance counselor will have this number or you can locate it at www.collegeboard.com using the code search feature.

COLLEGE BOARD HIGH SCHOOL CODE		
HIGH SCHOOL NAME		
HIGH SCHOOL STREET ADDRESS		
HIGH SCHOOL CITY	STATE	ZIP

What is your principal's name?

PRINCIPAL'S LAST NAME	PRINCIPAL'S FIRST NAME
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TELEPHONE AND FAX NUMBER	EMAIL
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TEACHER'S LAST NAME	TEACHER'S FIRST NAME
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(Please provide first and last name of teacher excluding prefix)

Most Influential Person

Name and Mailing Address:
Who has been the most influential person in the development of your scientific career? (Please name someone with whom you have had personal contact.)

FULL NAME (Include title such as Dr., Ms, Professor, etc.)		
CITY	STATE	ZIP
TELEPHONE NUMBER	EMAIL	

What is this person's relationship to you?

RELATIONSHIP

(Please indicate mother, father, or teacher, etc.)

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Last Name

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In what ways did this person influence you?

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Student Activities & Interests

What occupation do you hope to follow after graduation? What would be your second choice?

CHOICE #1

CHOICE #2

Have you ever participated in any of the following activities:

- ☐ Science fair at your local or regional level
☐ The Intel International Science and Engineering Fair
☐ A student science training program or summer institute
Which one? _____

CHECK HERE other extracurricular activities (outside the classroom) in which you have participated, and the organizations to which you have belonged.

- | | |
|--|--|
| <input type="checkbox"/> A Science Club | <input type="checkbox"/> Music (specify) _____ |
| <input type="checkbox"/> An Engineering Club | <input type="checkbox"/> Junior Academy of Science |
| <input type="checkbox"/> 4-H Club | <input type="checkbox"/> Boy Scouts (give rank) _____ |
| <input type="checkbox"/> School Publications | <input type="checkbox"/> Girl Scouts (give rank) _____ |
| <input type="checkbox"/> A Mathematics Club | <input type="checkbox"/> Athletics (specify) _____ |
| <input type="checkbox"/> Other (specify) _____ | |

LIST HERE special recognitions, awards, honors and scholarships (e.g. valedictorian, honors in state scholarship contests, National Merit Semi-finalist, National Honor Society, Beta Club, medals, presidencies, athletics awards, science fair honors, etc.)

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You may continue your concise answers on another sheet of paper and clip it to this form. DO NOT STAPLE.

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PART II – Essay Questions 1-5

To be completed by the Student

Please address the following topics and answer each in 300 words or fewer. Specific and concrete examples should be provided to enable a proper evaluation of your promise as a scientist, mathematician, or engineer.

The questions in each area are meant to initiate the thought process rather than be answered directly, although you may answer any or all of them. Please mention specific examples that support your statements and illustrate your competency. Please provide a word count that confirms you have met the limit requirement. Answers, labeled Part II and the question number, should be provided on additional pages with your name in the upper-right hand corner and should follow this page when you assemble your entry form.

1. **Scientific Attitude**

What have you accomplished that demonstrates your scientific attitude? Do you discriminate between pertinent and non-pertinent evidence in solving a problem? Do you “try it and see?” What is your approach to solving a problem?

2. **Curiosity**

What ideas, devices or creations have particularly attracted your attention and how have you pursued them?

3. **Inventiveness**

Have you ever made a discovery that was exciting and new to you? Have you ever produced an idea or experiment that was new to everyone? Please describe the discovery, idea or experiment and the circumstances surrounding it.

4. **Initiative**

What have you accomplished outside your school curriculum that shows initiative? How did you pursue these activities, what difficulties did you encounter and how did you handle them?

5. **Work Habits**

Do you plan your work in advance? Are you more interested in the overall planning of a project or in specific details? What factors influence your priorities? How do you accommodate unforeseen circumstances in your work?

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PART II – Essay Questions 6 a, b, c

The Research Report

To be completed by the Student

To give the judges a better understanding of your research experience, please answer the following questions, making sure to give complete information in all sections. *Failure to provide this information may result in disqualification.*

If you conducted your research in a scientist's laboratory and based your Utah Science Student Awards entry on that research, you must have the scientist answer the questions listed in Part IIA, the Supervising Scientist Form. (Supplemental forms may also be required for projects involving human subjects or non-human vertebrate animals or tissue and may be requested by contacting Erica Horsley at erica.horsley@school.utah.gov or 801-538-7503.) The Supervising Form may be sent with the entry form or be sent separately to Velma Itamura, P.O. Box 144200, Salt Lake City, Utah 84114-4200 so it arrives by the February 29, 2008 deadline.

6a. How did you formulate the idea for your research?

6b. Where was the research conducted and who supervised your research? Give names, titles, addresses, and phone numbers.

6c. What help have you received in conducting your research? Please explain the capacity of the assistance you received. (Be sure to include aid received in equipment, ideas, materials, methodology, etc.)

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PART II – Essay Question 6 d

The Research Report Summary

To be completed by the Student

Please provide a 100-word summary of your project in layperson's terms. Your explanation should provide easily understandable background, procedures, conclusions, and relevance. The summary will be used by many readers, including staff, evaluators and public relations for press releases.

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PART IIA – Supervising Scientist Form

To be completed by the Supervising Scientist

If a student conducts any substantial research in a scientist's laboratory, the scientist must answer these questions. The questions below should be answered in a signed letter format and attached to this form and submitted by either the student with their entry form or by the scientist directly to Velma Itamura, Utah State Office of Education, P.O. Box 144200, Salt Lake City, Utah 84114-4200 by 5:00 p.m. February 29, 2008.

1. **How did the student formulate the idea for his/her project?**

Was the project assigned, was it picked from a list of possible research topics, did it come out of a discussion with a scientist, did it arise from some work in which the student was engaged, or did the student suggest it?

2. **Did the student work on the project as part of a team?**

Please state the size, description and the student's role on the team?

3. **How independently did the student work on the project?**

What parts did the student conduct independently, and on which parts did he/she receive help (in the experiment design, choice of techniques, use of special instruments or equipment, construction of equipment, gathering data, arriving at conclusions, etc.)?

4. **What did the student do that showed creativity and ingenuity?**

Please state specific examples. Please state the format: experimental design, construction, use of equipment, evaluation of data, etc?

5. **What was the duration and intensity of the student's research program at your institution?**

Number of weeks, full-time vs. part-time, resident vs. non-resident, etc.

6. **Additional Comments**

Reminder: Projects involving the use of human subjects or non-human vertebrate animals or tissue require the appropriate supplemental forms and signatures of supervising scientists.

Name of Supervising Scientist (Please print or type)

Phone Number

Signature

Title

Fax Number

Institution

E-mail

Date

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PART III – Teacher/Advisor Recommendation Form

To be completed by a Teacher or Advisor

Entrants may have up to three Teacher/Advisor recommendation forms submitted on their behalf by teachers or advisors (including the supervising scientist) who have known and worked with them and feel qualified to recommend the student.

Teachers/Advisors should address the following questions in a signed letter format; attach it to this form making sure the student's name is included. The completed recommendation should be given to the student in a sealed school envelope so the student may send it with the entry form, or separately to the Utah State Office of Education, Velma Itamura, P.O. Box 144200, Salt Lake City, Utah 84114-4200 by 5:00 p.m. on February 29, 2008.

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1. How long have you known this student and in what capacity? How does this student compare to others you have known during your teaching career?
 2. Please summarize fully your observations and inferences that would be useful to the judges in predicting whether this student will become a creative scientist. Relevant topics here include (but are not restricted to) scientific attitude, curiosity, initiative, originality of thought, and work habits. (Please be specific.)
 3. What are the student's strengths in areas such as peer relationships, outside activities and family life?
 4. What do you consider the student's principal weakness?
 5. What aspects of this student's abilities, work habits or overall functioning might present difficulties for him/her?
 6. To what extent is the research the work of the student? Did he/she do all that is claimed in the research report and on this entry form?

Signature of Teacher or Advisor

Date

Name of Teacher or Advisor (Please print or type)

Position

Home Address

City

State

Zip

Home Phone Number

Work Phone Number

Fax Number

E-mail

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PART IV – Secondary School Record

To be completed and signed by the High School Principal

THE STUDENT'S OFFICIAL HIGH SCHOOL TRANSCRIPT MUST BE INCLUDED WITH THIS FORM

Instructions: This page must NOT be shown to the student after completion by the high school. Please place this page and the official transcript in a sealed school envelope for the student to send in with the entry form. If this procedure is against your school's policy, the transcript and entry form may be sent separately to the Utah State Office of Education, Velma Itamura, P.O. Box 144200, Salt Lake City, Utah 84114-4200 by the 5:00 p.m. deadline on February 29, 2008.

1. How many students are in this student's senior class? _____

2. What is the student's estimated senior class rank? _____

Ranked 1st (Best in class) _____

In top 10% of class _____

Ranked 2nd (Second best) _____

In top 25% of class _____

Ranked 3rd (Third best) _____

In top 50 % of class _____

In top 5% of class _____

In lower 50% of class _____

We do not rank students _____

3. Approximately what percentage (or ratio) of your graduates go to four-year colleges? _____

STANDARDIZED TEST SCORES

Please provide this information below even if it is provided on the transcript

<u>SAT I</u>	<u>SAT I</u>	<u>SAT II</u>	<u>SAT II</u>	<u>ACT</u>	<u>PSAT/NMSOT</u>
<i>Date</i> _____	<i>Date</i> _____	<i>Date</i> _____	<i>Date</i> _____	<i>Date</i> _____	<i>Date</i> _____
Verbal _____	Verbal _____	Subject _____	Subject _____	English _____	Verbal _____
Math _____	Math _____	Score _____	Score _____	Math _____	Math _____
		Subject _____	Subject _____	Reading _____	
		Score _____	Score _____	Science _____	
		Subject _____	Subject _____	<i>Composite</i> _____	
		Score _____	Score _____		

4. What is this student's expected date of graduation? _____
Month Year

I certify that the information given above and the enclosed secondary school records are correct for:

Name of Student (Please print or type)

Name of Principal (Please print or type)

Phone Number

Signature of Principal

Date